

Express Mail No. ER 953583682 US

Docket No. 21413 US C038435/0185654

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE ACTING AS
DESIGNATED/ELECTED OFFICE (DO/EO/US) UNDER THE PATENT
COOPERATION TREATY CONCERNING A FILING UNDER 35 U.S.C. §371**

<i>In re</i> Application of:)	
Tatsuo HOSHINO et al.)	
Based on Int'l Application No.: PCT/EP2003/010296)	Examiner: Not yet assigned
International Filing Date: 16 September 2003)	Art Unit: Not yet assigned
Filed: Herewith)	
For: PROCESS FOR PRODUCING VITAMIN B₆)	

New York, NY
March 23, 2005

INFORMATION DISCLOSURE STATEMENT

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants wish to make of record the following documents (clean copies and a Form PTO-1449 listing the documents are enclosed). The following documents were cited in the International Search Report, mailed March 24, 2004 in the International application corresponding to the above-captioned case.

FOREIGN PATENT DOCUMENTS

	<u>Document No.</u>	<u>Date</u>	<u>Country</u>
B1	0 765 938 A2	4/2/1997	Europe
B2	0 950 715 A2	10/20/1999	Europe

OTHER DOCUMENTS

- C1 Tazoe, M. *et al.*, "Production of Vitamin B₆ in *Rhizobium*," Biosci. Biotechnol. Biochem., vol. 63, no. 8, pp. 1378-1382 (1999).
- C2 Tazoe, M. *et al.*, "Biosynthesis of Vitamin B₆ in *Rhizobium*," J. Biol. Chem., vol. 275, no. 15, pp. 11300-11305 (2000).
- C3 Laber, B. *et al.*, "Vitamin B₆ biosynthesis: formation of pyridoxine 5'-phosphate from 4-(phosphohydroxy)-L-threonine and 1deoxy-D-xylulose-5-phosphate by PdxA and PdxJ Protein," FEBS Letters, vol. 449, pp. 45-48 (1999).
- C4 Tazoe, M. *et al.*, "Biosynthesis of Vitamin B₆ in *Rhizobium*: In Vitro Synthesis of Pyridoxine from 1-Deoxy-D-xylulose and 4-Hydroxy-L-threonine," Biosci. Biotechnol. Biochem., vol. 66, no. 4, pp. 934-936 (2002).
- C5 Capela, D. *et al.*, "Analysis of the Chromosome Sequence of the Legume Symbiont *Sinorhizobium meliloti* Strain 1021," Proc. Natl. Acad. Sci., vol. 98, no. 17, pp. 9877-9882 (2001).
- C6 Galibert, F. *et al.*, "The Composite Genome of the Legume Symbiont *Sinorhizobium meliloti*," Science, vol. 293, pp. 668-672 (2001).
- C7 Mittenhuber, G., "Phylogenetic Analyses and Comparative Genomics of Vitamin B₆ (Pyridoxine) and Pyridoxal Phosphate Biosynthesis Pathways," J. Mol. Microbiol. Biotechnol., vol. 3, no. 1, pp. 1-20 (2001).
- C8 Capela, D. *et al.*, "Analysis of the Chromosome sequence of the legume symbiont *Sinorhizobium meliloti* Strain 1021," Proc. Natl. Acad. Sci., vol. 98, no. 17, pp. 9877-9882 (2001), NCBI Database Abstract No. XP-002272564.
- C9 Galibert, F. *et al.*, "The Composite Genome of the Legume Symbiont *Sinorhizobium meliloti*," Science, vol. 293, pp. 668-672 (2001), NCBI Database Abstract No. XP-002272565.

The Examiner's independent consideration of all of these documents and their relevance before issuance of the first official action is respectfully requested. The Examiner is also requested to initial and return a copy of the accompanying form PTO-1449 to evidence such consideration.

Copies of the International Search Report and International Preliminary Examination Report are included herewith. All documents cited in these reports are identified herein.

This Information Disclosure Statement is being filed in accordance with the provisions under 37 C.F.R. §1.97(b)(2), within three months of the date of entry of the national stage of the international application. Accordingly, no fee is believed to be due. If, however, a fee is due, please charge the same to Deposit Account No. 02-4467. A duplicate copy of this sheet is enclosed.

If the Examiner has any questions regarding this paper, please contact the undersigned attorney.

Respectfully submitted,

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Form PTO-1449 (Rev.) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 21413 US C038435/0185654	INTERNATIONAL APPLICATION NO. 10/528892 PCT/EP2003/010296
	APPLICANT Tatsuo HOSHINO <i>et al.</i>	
	INTERNATIONAL FILING DATE 16 September 2003	GROUP Not Yet Assigned

U.S. PATENT DOCUMENTS

Examiner Initial	Cite No.	U.S. Patent Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	B1	0 765 938 A2	4/2/1997	Europe				
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

C1	Tazoe, M. <i>et al.</i> , "Production of Vitamin B ₆ in Rhizobium," <u>Biosci. Biotechnol. Biochem.</u> , vol. 63, no. 8, pp. 1378-1382 (1999).
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C3	Laber, B. <i>et al.</i> , "Vitamin B ₆ biosynthesis: formation of pyridoxine 5'-phosphate from 4-(phosphohydroxy)-L-threonine and Ideoxy-D-xylulose-5-phosphate by PdxA and PdxJ Protein," <u>FEBS Letters</u> , vol. 449, pp. 45-48 (1999).
C4	Tazoe, M. <i>et al.</i> , "Biosynthesis of Vitamin B ₆ in Rhizobium: In Vitro Synthesis of Pyridoxine from 1-Deoxy-D-xylulose and 4-Hydroxy-L-threonine," <u>Biosci. Biotechnol. Biochem.</u> , vol. 66, no. 4, pp. 934-936 (2002).
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C7	Mittenhuber, G., "Phylogenetic Analyses and Comparative Genomics of Vitamin B ₆ (Pyridoxine) and Pyridoxal Phosphate Biosynthesis Pathways," <u>J. Mol. Microbiol. Biotechnol.</u> , vol. 3, no. 1, pp. 1-20 (2001).
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EXAMINER DATE CONSIDERED	
Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	